American Society of Hematology

63rd Annual Meeting and Exposition
December 11-14, 2021
Georgia World Congress Center
Atlanta, GA

Mass General Cancer Center
Hematological Malignancy

Invited Talks • Oral Presentations • Poster Presentations
1. **Marcela Maus** (Invited Speaker and Session Chair)  
   **Session:** Novel Findings in CAR-T Cell Therapies for Hematologic Malignancies  
   **Talk:** “Signaling in CAR-T Cells”  
   Scientific Committee on Transplantation Biology and Cellular Therapies  
   **Date:** Monday, December 1, 2021  
   **Time:** 4:30-5:30 PM (Live Q&A)  
   **Location:** Georgia World Congress Center, C211-C213

2. **Areej El-Jawahri** (Invited Speaker)  
   **Session:** Update in Graft vs. Host Disease  
   **Talk:** “What else do I need to worry about when treating GVHD?”  
   ASH Education Program  
   **Date:** Saturday, December 11, 2021  
   **Time:** 4:00-4:45 PM (Live Q&A)  
   **Location:** Georgia World Congress Center, C211-C213

3. **Gabriela Hobbs** (Invited Speaker)  
   **Session:** CML: Success Breeds More Success  
   **Talk:** “Blast and Accelerated Phase CML: Room for Improvement”  
   ASH Education Program  
   **Date:** Saturday, December 11, 2021  
   **Time:** 2:00-2:45 PM (Live Q&A)  
   **Location:** Georgia World Congress Center, B401-B402

4. **Noopur Raje** (Invited Speaker)  
   **Session:** Challenges in Multiple Myeloma Treatment  
   **Talk:** “Minimal Residual Disease in Multiple Myeloma—Why, When, Where, and How?”  
   ASH Education Program  
   **Date:** Sunday, December 12, 2021  
   **Time:** 9:30-10:15 AM (Live Q&A)  
   **Location:** Georgia World Congress Center, Hall A1

5. **Amir Fathi** (Invited Speaker)  
   **Session:** Acute Myeloid Leukemia: Evidence-Based Guidance on Current Paradigms and New Therapeutic Approaches (Satellite Symposium)  
   **Talk:** “Treating Newly Diagnosed AML With Targetable Mutations”  
   **Date:** Friday, December 10, 2021  
   **Time:** 7:00-10:00 AM  
   **Location:** Atlanta Marriott Marquis, Atrium A

6. **Jeremy Abramson** (Invited Speaker)  
   **Session:** What Clinicians Want to Know: Addressing Current Questions and Controversies in the Management of Hodgkin and Non-Hodgkin Lymphoma (Satellite Symposium)  
   **Talk:** “Updates in Non-Hodgkin Lymphoma”  
   **Date:** Friday, December 10, 2021  
   **Time:** 11:00 AM-2:00 PM  
   **Location:** Omni, International Ballroom E-F
INVITED TALKS

7. Andrew Branagan (Invited Speaker)  
Session: ASH-a-Palooza (Friday Symposium)  
Talk: “Adult Hematology Blood Buddy”  
Date: Friday, December 10, 2021  
Time: 2:45-3:10 PM  
Location: Tabernacle, Balcony Section 201

8. Yi-Bin Chen (Invited Speaker)  
Session: Highlights of ASH  
Talk: “BMT Updates”  
Date: January 2022

10. Jeremy Abramson (Invited Speaker)  
Session: Highlights of ASH  
Talk: “Non-Hodgkin Lymphoma Updates”  
Date: January, 2022

ORAL PRESENTATIONS

(NOTE: presenting author shown in bold.)

Publication Number: 258  
Title: “Tisagenlecleucel Demonstrates Safety, Efficacy and CNS Trafficking in Primary CNS Lymphoma”  
Session: 704. Cellular Immunotherapies: Cellular Therapies-Immune Interactions, Lineage Switching and CNS targets  
Date: Saturday, December 11, 2021  
Time: 3:15-3:30PM  
Location: Georgia World Congress Center, Hall A1

Publication Number: 653  
Title: “Phase I Study of CD37-Directed CAR T Cells in Patients with Relapsed or Refractory CD37+ Hematologic Malignancies”  
Session: 704. Cellular Immunotherapies: Allogeneic CARs and CARs for T Cell Lymphomas  
Date: Monday, December 13, 2021  
Time: 11:30-11:45AM  
Location: Georgia World Congress Center, Sidney Marcus Auditorium

**Publication Number:** 405  
**Title:** “Rational Chemical and Genetic Modifications Enhance Avidity and Function of CD70-Directed CAR-T-Cells for Myeloid Leukemia”  
**Session:** 703. Cellular Immunotherapies: Basic and Translational II  
**Date:** Sunday, December 12, 2021  
**Time:** 10:00-10:15 AM  
**Location:** Georgia World Congress Center, B405-B407

4. **Joan Howe**, KME Gallagher; Y Liu; A DeMato; K Katsis, RC Larson, MB Leick, D Neuberg; MGH COVID-19 Collection & Processing Team; MV Maus; G Hobbs.

**Publication Number:** 316  
**Title:** “Antibody and T-Cell Responses to COVID-19 Vaccination in Myeloproliferative Neoplasm Patients”  
**Session:** 634. Myeloproliferative Syndromes: Clinical and Epidemiological: Transplantation, COVID-19 and Biology Insights  
**Date:** Saturday, December 11, 2021  
**Time:** 4:45-5:16 PM  
**Location:** Georgia World Congress Center, B312-B314


**Publication Number:** 109  
**Title:** Code status transitions in patients with high-risk acute myeloid leukemia (AML)”  
**Session:** 903. Health Services Research—Myeloid Malignancies. Hematology Disease Topics & Pathways: Clinical Practice (e.g. Guidelines, Health Outcomes and Services, and Survivorship, Value: etc.)  
**Date:** Saturday, December 11, 2021  
**Time:** 9:30-9:45 AM  
**Location:** Georgia World Congress Center, B207-B208


**Publication Number:** 169  
**Title:** “A Phase II Study of Ruxolitinib Pre-, during- and Post-Hematopoietic Cell transplantation for Patients with Primary or Secondary Myelofibrosis”  
**Session:** Allogeneic Transplantation: Disease Response and Comparative Treatment Studies: Novel Approaches and Outcomes  
**Date:** Saturday, December 11, 2021  
**Time:** 12:00-12:15 PM  
**Location:** Georgia World Congress Center, B308-B309


**Publication Number:** 244  
**Title:** “Efficacy and Safety of Sabatolimab (MBG453) in Combination with Hypomethylating Agents (HMAs) in Patients (Pts) with Very High/High-Risk Myelodysplastic Syndrome (vHR/HR-MDS) and Acute Myeloid Leukemia (AML): Final Analysis from a Phase Ib Study”  
**Session:** 637. Myelodysplastic Syndromes – Clinical and Epidemiological: Treatment of High Risk Myelodysplastic Syndrome. Hematology Disease Topics & Pathways: Clinical Trials, Biological, Adults, Clinical Research, Immunology, Diseases, Therapies, Myeloid Malignancies, Biological Processes, Study Population.  
**Date:** Saturday, December 11, 2021  
**Time:** 2:45-3:00 PM  
**Location:** Georgia World Congress Center, B207-B208
**Publication Number:** 523  
**Title:** “Randomized Phase II/III Study of DA-EPOCH-R +/- Venetoclax in Previously Untreated Double Hit Lymphoma: Initial Results from Alliance A051701”  
**Session:** 626. Aggressive Lymphomas Prospective Therapeutic Trials: Novel Agents and Combinations  
**Date:** Sunday, December 12, 2021  
**Time:** 4:30-4:45 PM  
**Location:** Georgia World Congress Center, Thomas Murphy Ballroom 1-2

**Publication Number:** 398  
**Title:** “Molecular Features and Clinical Outcomes of Extramedullary Plasmacytomas”  
**Session:** 652. Multiple Myeloma and Plasma cell Dyscrasias: Clinical and Epidemiological: A Map for the Changing Landscape of Multiple Myeloma  
**Date:** Sunday, December 12, 2021  
**Time:** 9:45-10:00 AM  
**Location:** Georgia World Congress Center, A411-412

**Publication Number:** 74  
**Title:** “Mature Osteoblasts Are Critical Bone Marrow Niche Cells Regulating Multiple Myeloma Cell Growth, at Least in Part, By Affecting the Local Immune Microenvironment”  
**Session:** 651. Multiple Myeloma and Plasma Cell Dyscrasias: Basic and Translational I  
**Date:** Saturday, December 11, 2021  
**Time:** 10:00-10:15 AM  
**Location:** Georgia World Congress Center, Sidney Marcus Auditorium

**Publication Number:** 548  
**Title:** “Updated Clinical and Correlative Results from the Phase I CRB-402 Study of the BCMA-Targeted CAR T Cell Therapy bb21217 in Patients with Relapsed and Refractory Multiple Myeloma”  
**Session:** 704. Cellular Immunotherapies: Cellular Therapies for Myeloma  
**Date:** Sunday, December 12, 2021  
**Time:** 4:45-5:00 PM  
**Location:** Georgia World Congress Center, Hall C2-C3
1. I Scarfo, MKE Gallagher, Mark B Leick, J Budka, B Sowrirajan, K Nguyen, R Shen, A Bot, MV Maus.
Publication Number: 3849
Title: “Effects of Prior Exposure to Tec Kinase (BTK/ITK) Inhibitors on Kte-X19 Products.”
Date: Monday, December 13, 2021
Time: 6:00 PM - 8:00 PM
Location: Georgia World Congress Center, Hall B5

Publication Number: 3832
Title: “Phase 1 Study of CART-Ddbcma, a CAR-T Therapy Utilizing a Novel Synthetic Binding Domain for the Treatment of Subjects with Relapsed and/or Refractory Multiple Myeloma”
Date: Monday, December 13, 2021
Time: 6:00 PM - 8:00 PM
Location: Georgia World Congress Center, Hall B5

Publication Number: 2814
Title: “A Phase II Trial of Anakinra for the Prevention of CAR-T Cell Mediated Neurotoxicity”
Date: Sunday, December 12, 2021
Time: 6:00 PM - 8:00 PM
Location: Georgia World Congress Center, Hall B5

Publication Number: 1723
Title: “Blocking IFNv in CAR-T Reduces Checkpoint Inhibitors and Cell-Mediated Toxicity without Compromising Therapeutic Efficacy in CD19+malignancies”
Date: Saturday, December 11, 2021
Time: 5:30 PM - 7:30 PM
Location: Georgia World Congress Center, Hall B5

Publication Number: 2968
Title: “What do patients think about palliative care? A national survey of hematopoietic stem cell transplant recipients”
Date: Sunday, December 12, 2021
Time: 6:00 PM - 8:00 PM
Location: Georgia World Congress Center, Hall B5
**Publication Number:** 4131  
**Title:** “The association between coping strategies and patient-reported outcomes in patients with acute myeloid leukemia”  
**Date:** Monday, December 13, 2021  
**Time:** 6:00-8:00 PM  
**Location:** Georgia World Congress Center, Hall B5

**Publication Number:** 4100  
**Title:** “Association of bridging therapy utilization with clinical outcomes in patients receiving chimeric antigen receptor (CAR) T-cell therapy”  
**Date:** Monday, December 13, 2021  
**Time:** 6:00-8:00 PM  
**Location:** Georgia World Congress Center, Hall B5

**Publication Number:** 3044  
**Title:** “Quality of life, psychological distress, and prognostic awareness in caregivers of patients with multiple myeloma”  
**Date:** Sunday, December 12, 2021  
**Time:** 6:00-8:00 PM  
**Location:** Georgia World Congress Center, Hall B5

**Publication Number:** 4082  
**Title:** “Quality of life, psychological distress, and prognostic awareness in patients with multiple myeloma”  
**Date:** Monday, December 13, 2021  
**Time:** 6:00-8:00 PM  
**Location:** Georgia World Congress Center, Hall B5

**Publication Number:** 1521  
**Title:** “Inhibition of ATR with AZD6738 (Ceralasertib) for the Treatment of Progressive or Relapsed Myelodysplastic Syndromes and Chronic Myelomonocytic Leukemia: Safety and Preliminary Activity from a Phase Ib/II Study”  
**Date:** Saturday, December 11, 2021  
**Time:** 5:30 PM - 7:30 PM  
**Location:** Georgia World Congress Center, Hall B5
   **Publication Number:** 3661
   **Title:** “ATR/CHK1/WEE1 Dependency in SRSF2-Mutated MDS/AML”
   **Date:** Monday, December 13, 2021
   **Time:** 6:00-8:00 PM
   **Location:** Georgia World Congress Center, Hall B5

12. **Joan How**, P Bachanova, M Pavlovic, P Reeves, G Hobbs.
   **Publication Number:** 3631
   **Title:** “Immune Profiling of Responses to Influenza Vaccination in Patients with Myeloproliferative Neoplasms”
   **Date:** Monday, December 13, 2021
   **Time:** 6:00-8:00 PM
   **Location:** Georgia World Congress Center, Hall B5

   **Publication Number:** 1508
   **Title:** “Increased Risk of Thrombosis in Patients with Myeloproliferative Neoplasms Compared with the General Population Hospitalized with COVID-19”
   **Date:** Saturday, December 11, 2021
   **Time:** 5:30-7:30pm
   **Location:** Georgia World Congress Center, Hall B5

   **Publication Number:** 3653
   **Title:** “Pulmonary Hypertension Is Associated with Poor Outcomes in Patients with Myeloproliferative Neoplasms and Cardiovascular Disease”
   **Date:** Monday, December 13, 2021
   **Time:** 6:00-8:00 PM
   **Location:** Georgia World Congress Center, Hall B5

   **Publication Number:** 1522
   **Title:** “Evaluating Complete Remission with Incomplete Hematologic Recovery (CRh) As a Response Criterion in Myelodysplastic Syndromes (MDS)”
   **Date:** Saturday, December 11, 2021
   **Time:** 5:30-7:30pm
   **Location:** Georgia World Congress Center, Hall B5
Publication Number: 3677
Title: “Allogeneic Hematopoietic Cell Transplantation Outcomes of Patients with R/R AML or Higher-Risk MDS Treated with the TIM-3 Inhibitor MBG453 (Sabatolimab) and Hypomethylating Agents”
Date: Monday, December 13, 2021
Time: 6:00-8:00 PM
Location: Georgia World Congress Center, Hall B5

Publication Number: 1380
Title: “Comparative Analysis of Mature T-Cell and NK/T-Cell Lymphomas in Patients with and without HIV: Results from the NA-Accord and Complete Cohorts”
Date: Saturday, December 11, 2021
Time: 5:30-7:30pm
Location: Georgia World Congress Center, Hall B5

Publication Number: 1431
Date: Saturday, December 11, 2021
Time: 5:30-7:30pm
Location: Georgia World Congress Center, Hall B5

Publication Number: 3845
Title: “Improved Quality of Life (QOL) with Lisocabtagene Maraleucel (liso-cel), a CD19-Directed Chimeric Antigen Receptor (CAR) T Cell Therapy, Compared with Standard of Care (SOC) As Second-Line (2L) Treatment in Patients (Pts) with Relapsed or Refractory (R/R) Large B-Cell Lymphoma (LBCL): Results from the Phase 3 Transform Study”
Date: Monday, December 13, 2021
Time: 6:00-8:00 PM
Location: Georgia World Congress Center, Hall B5

**Publication Number:** 2840

**Title:** “Two-Year Follow-up of Transcend NHL 001, a Multicenter Phase 1 Study of Lisocabtagene Maraleucel (liso-cel) in Relapsed or Refractory (R/R) Large B-Cell Lymphomas (LBCL)”

**Date:** Sunday, December 12, 2021

**Time:** 6:00-8:00 PM

**Location:** Georgia World Congress Center, Hall B5


**Publication Number:** 4100

**Title:** “Association of Bridging Therapy Utilization with Clinical Outcomes in Patients Receiving Chimeric Antigen Receptor (CAR) T-Cell Therapy”

**Date:** Monday, December 13, 2021

**Time:** 6:00-8:00 PM

**Location:** Georgia World Congress Center, Hall B5


**Publication Number:** 3753

**Title:** “Zanubrutinib, Obinutuzumab, and Venetoclax in Chronic Lymphocytic Leukemia: Early MRD Kinetics Define a High-Risk Patient Cohort with Delayed Bone Marrow Undetectable MRD and Earlier Post-Treatment MRD Recurrence”

**Date:** Monday, December 13, 2021

**Time:** 6:00-8:00 PM

**Location:** Georgia World Congress Center, Hall B5


**Publication Number:** 3801

**Title:** “COVID-19 Vaccine Responsiveness in Patients with Multiple Myeloma and Waldenström Macroglobulinemia”

**Date:** Monday, December 13, 2021

**Time:** 6:00-8:00 PM

**Location:** Georgia World Congress Center, Hall B5


**Publication Number:** 1614

**Title:** “Bone Marrow Adipocytes Induce Metabolic Reprogramming of Multiple Myeloma Cells”

**Date:** Saturday, December 11, 2021

**Time:** 5:30-7:30pm

**Location:** Georgia World Congress Center, Hall B5